

Annual Report of Operations for Year 2021

To comply with NPDES General Permit No. WAG130000 for Federal Aquaculture Facilities and Aquaculture Facilities Located in Indian Country within the Boundaries of the State of Washington

NPDES # for your Facility:	
13-0012	
Facility & Owner Information	
Facility Name: Bernie Kai Kai Gobin Salmon Hatche	erv
Operator Name (Permittee): Tulalip Tribes of Washington	
Address: 6406 Marine Drive Tulalip, WA 98271	
Email: mcrewson@tulaliptribes-nsn.gov	Phone: 360-222-2690; (425) 754 0955
Owner Name (if different from operator): Same	200 222 2000, (423) 734 0933
^{Email:} Same	Phone: Same
Best Management Practices (I	BMP) Plan
U- II BID II	Yes No
Does the BMP Plan fulfill the requirements of the	
Summarize any changes to the BMP Plan since the None.	e last annual report. Attach additional pages if necessary.
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Operations and Production

Total harvestable weight produced in the past calendar year in pounds (lbs): 41,987lbs weight gain, 68,229 lbs total biomass Pounds of food fed to fish during the maximum month: 6,732 lbs (June)

List the species grown or held at your facility and the annual production of each in gross harvestable weight. If fish were released rather than harvested, list the weight at time of release.

Species	Fish Produced	Receiving Water(s) to which Fish were Released	Month Released/ Spawned
BY19 Coho	22,510	There are no releases from this facility, this is the weight transferred to 03-0013 for release	N/A
BY20 Chinook	18,894	There are no releases from this facility, this is the weight transferred to 03-0013 for release	N/A
BY20 Coho	24,479	No release. These fish remained on station for a 2022 release, * wt is Dec 31 weight	N/A
BY20 Chum	2,347	There are no releases from this facility, this is the weight transferred to 03-0013 for releas	N/A
		of Washington	I vialip Tribes
			Market Links
			leading, WA 98

Fill in the table below with production numbers from the past year. List the **maximum** amount of fish on-site and the maximum amount of food fed **per month**.

Month	Total Fish (lbs)	Fish Feed (lbs)	Month	Total Fish (lbs)	Fish Feed (lbs)
January	25,461	2,484	July	11,958	3,212
February	29,612	4,664	August	14,922	3,552
March	32,976	6,688	September	18,378	3,960
April	15,639	6,732	October	23,636	2,640
May	24,026	5,378	November	24,479	3,080
June	27,224	3,200	December	0 121	0

Additional Comments: * NOTE: NO FISH ARE RELEASED FROM THIS FACILITY (13-0012). ALL SALMON ARE PERIODICALLY TRANSFERRED TO THE OTHER TWO FACILITIES (13-0013 AND 13-0014) FOR RELEASE.

Solid Waste Disposal

Describe the solid waste disposed of during the calendar year (including fish mortalities).

Type of Solid Disposed	Date Disposed	Location Disposed
162 Lb dead eggs	Sept Dec. 2020	Offsite burial pit
57 Lb dead fish	Jan Dec. 2020	Offsite burial pit
Additional Comments:		

Fish Mortalities

Include a description and the dates of mass mortalities in the past year (more than 5% per week). Attach additional pages, if necessary. Include total mortalities from all causes.

Date	Cause of Deaths	Steps Taken to Correct Problem	Pounds of Fish
a710.	RoaT totowolesW &	rodinibus del enegal d	angu yanar anguyay
	on whom control		market in the last
		be fillere hadden	li zaki element
itional Comme	nts:		
A. No incide	ents of mass mortality		

Noncompliance Summary

lone	

Inspections & Repairs for Production & Wastewater Treatment Systems

Date Inspected	Date Repaired	Description of System Inspected and/or Repaired
Periodic/Monthly	None needed	
		antheimen annes to atended side. Alle

Aquaculture Drugs and Chemicals

Please indicate whether you used each drug/chemical during the past calendar year. Describe the use of each drug/chemical in more detail on the following pages.

Used in the past year?	Drug or Chemical
□ Yes ■ No	Azithromycin
□ Yes ■ No	Chloramine-T: See additional reporting requirements on page 7
□ Yes ■ No	Chlorine
□ Yes ■ No	Draxxin
□ Yes ■ No	Erythromycin - injectable
□ Yes ■ No	Erythromycin - medicated feed
■ Yes □ No	Florfenicol (Aquaflor)
■ Yes □ No	Formalin - 37% formaldehyde: See additional reporting requirements on page 7
□ Yes □ No	Herbicide - describe:
□ Yes □ No	Hormone - describe:
■ Yes □ No	Hydrogen Peroxide: See additional reporting requirements on page 7
□ Yes □ No	lodine: See additional reporting requirements on page 7
■ Yes □ No	Oxytetracycline
■ Yes □ No	Potassium Permanganate: See additional reporting requirements on page 7
□ Yes □ No	Romet
□ Yes □ No	SLICE (emamectin benzoate)
□ Yes □ No	Sodium Chloride - salt
□ Yes □ No	Vibrio vaccine
Yes No	Other:
Yes No	Other:

Aquaculture Drugs and Chemicals (cont'd)

Describe all drug and/or chemical treatments that occurred during the year. Fill out the information below for each drug or chemical, plus page 7 for water-borne treatments. Attach additional pages as necessary.

Preventative/Prophylactic As-needed Date(s) of treatment:	Total quantity of formulated product per treatment (specify units) 2% BW	Sease and Enteric Re	ol (15 mg/kg biomass)
Reason for use: to control B Preventative/Prophylactic As-needed Date(s) of treatment: 3/19/21 through 3/28/2	Total quantity of formulated product per treatment (specify units) 2% BW	Sease and Enteric Re	
Preventative/Prophylactic As-needed Date(s) of treatment:	Total quantity of formulated product per treatment (specify units) 2% BW	Total quantity of formulated p	amouth Disease
		2,198 lbs	
	21, and 5/7/21 through	n 5/16/21	Total number of treatments in past year:
Maximum daily volume of treated water:	Treatment concentration (specify units): 15 mg/kg BW	Duration and frequency of treat 10 consecutive days	
	☐ Static Bath ☐ Flow-through	☐ Medicated Feed ☐ Other (describe):	
was used	 □ Raceways □ Incubation building	□ Ponds□ Off-line settling basin	☐ Other (describe):
uns chemical dor	☐ Discharged w/o treatment☐ Settling basin	☐ Septic System ☐ Publicly owned treatment works	☐ Other (describe):
Provide any additional informatio	n about how this chemical was u	ised and/or special pollution pre	evention practices during use:
^{Brand Name:} Terramycin 2	200	Generic Name: Oxytetrac	ycline(3.75g/100 lbs)
D	200 Columnaris Disease	Generic Name: Oxytetrac	ycline(3.75g/100 lbs)
Reason for use: to control C	PROPERTY CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CO	Generic Name: Oxytetrac Total quantity of formulated p (specify units): 11,860	
Reason for use: to control C	Columnaris Disease Total quantity of formulated product per treatment: 2% BW	Total quantity of formulated p (specify units): 11,,860	
Reason for use: to control C Preventative/Prophylactic As-needed Pate(s) of treatment: 8/13/21 through 8/22/21, at Maximum daily volume of treated water:	Columnaris Disease Total quantity of formulated product per treatment: 2% BW	Total quantity of formulated p (specify units): 11,,860	Total number of treatments in past year: 2 ment(s):
Reason for use: to control C Preventative/Prophylactic As-needed Pate(s) of treatment: 8/13/21 through 8/22/21, at Maximum daily volume of treated water: Method of application:	Columnaris Disease Total quantity of formulated product per treatment: 2% BW nd 8/17/21 through 8/26/2 Treatment concentration (specify units):	Total quantity of formulated p (specify units): 11,860	Total number of treatments in past year: 2 ment(s):
Reason for use: to control C Preventative/Prophylactic As-needed Pate(s) of treatment: B/13/21 through 8/22/21, and Maximum daily volume of treated water: Method of application:	Total quantity of formulated product per treatment: 2% BW nd 8/17/21 through 8/26/2 Treatment concentration (specify units): 3.75 g/ 100 lbs fish	Total quantity of formulated p (specify units): 11,860 1 Duration and frequency of treat 10 consecutive days Medicated Feed	Total number of treatments in past year: 2 ment(s):

Aquaculture Drugs and Chemicals (cont'd)

Describe all drug and/or chemical treatments that occurred during the year. Fill out the information below for each drug or chemical, plus page 7 for water-borne treatments. Attach additional pages as necessary.

Brand Name: Treatment 1			
Hodinone	: Parasite-S	Generic Name: Formalin (37% formaldehyde)
Reason for use: Control fur	ngus on incubating egg	S	and
☐ Preventative/Prophylactic ☐ As-needed	Total quantity of formulated product per treatment (specify units): 2.37-14.66L (9.67L avg.)	Total quantity of formulated pr (specify units): 464.0L	oduct used in past year
Date(s) of treatment: 41 treatments in 101 days from	9/22/21-12/30/21 3 species, 2 incu	ubation buildings	Total number of treatments in past year: 41
Maximum daily volume of treated water: 3,150 gal	Treatment concentration (specify units): 1,667 mg/L formalin	Duration and frequency of treat 15 minutes, ~alterna	
Method of application:	☐ Static Bath ☐ Flow-through	☐ Medicated Feed☐ Other (describe):	col 4
Location in facility chemical was used (check all that apply):	☐ Raceways ☐ Incubation building	☐ Ponds ☐ Off-line settling basin	☐ Other (describe):
Where did water treated with this chemical go? (check all that apply):	☐ Discharged w/o treatment☐ Settling basin	☐ Septic System ☐ Publicly owned treatment , works	Other (describe):
reconfigured the drain lines from the tanks to e 10>C>1 at highest level estimated in effluent. Brand Name: Treatment		Generic Name: Formalin	(37% formaldehyde)
Reason for use: External fur	igus and parasites on fish -	Saprolegnia, Trichodina,	
m	T .		
☐ Preventative/Prophylactic☐ As-needed	Total quantity of formulated product per treatment:	Total quantity of formulated p (specify units): 116 ggalloms	roduct used in past year
_	Total quantity of formulated product per treatment: 2.5L	Total quantity of formulated p	roduct used in past year
As-needed Date(s) of treatment:	Total quantity of formulated product per treatment: 2.5L	Total quantity of formulated p	Total number of treatments in past year: 24 tment(s):
Date(s) of treatment: 4/19-4/25, 5/21-5/22, 6/1 Maximum daily volume of treated water:	Total quantity of formulated product per treatment: 2.5L 4-6/24, 7/16-7/19 Treatment concentration (specify units):	Total quantity of formulated processing (specify units): 166 ggalloms Duration and frequency of treating to the second s	Total number of treatments in past year: 24 tment(s):
Date(s) of treatment: 4/19-4/25, 5/21-5/22, 6/1 Maximum daily volume of treated water: 26,985gal	Total quantity of formulated product per treatment: 2.5L 4-6/24, 7/16-7/19 Treatment concentration (specify units): <25 ppm Static Bath	Total quantity of formulated processing (specify units): 166 gralloms Duration and frequency of treat- 1-hour treatments, 24 total on dates about	Total number of treatments in past year: 24 tment(s):
Date(s) of treatment: 4/19-4/25, 5/21-5/22, 6/1 Maximum daily volume of treated water: 26,985gal Method of application: Location in facility chemical was used	Total quantity of formulated product per treatment: 2.5L 4-6/24, 7/16-7/19 Treatment concentration (specify units): <25 ppm Static Bath Flow-through Raceways	Total quantity of formulated processing (specify units): 166 graditoms Duration and frequency of treat 1-hour treatments, 24 total on dates about 169 Medicated Feed 169 Other (describe): 169 Ponds	Total number of treatments in past year: 24 tment(s):

Aquaculture Drugs and Chemicals (cont'd) Additional Reporting Requirements for Water-Borne Treatments

- If a water-borne treatment was used during the calendar year, Permittees must include detailed records/calculations as an attachment to this Annual Report in order to demonstrate how the maximum effluent concentrations of solution and active ingredient were calculated for each chemical.
- EPA recognizes that water-borne treatments may vary in the volume of the vessels treated, concentration, quantity of product, etc. Permittees must provide the information listed in the following tables for a reasonable worst case (i.e., maximum effluent concentration) scenario, not for each individual treatment.
- Permittees must submit this information and calculate the maximum effluent concentration for each water-borne chemical used during the past calendar year.
- See also Appendix D for the Chemical Log Sheet.

See also Appendix D for the Cheffi		
Sta	tic Bath Treatments	
Tank Volume		Liters
Desired Static Bath Treatment Concentration		μg/L
Volume of Product Needed		Liters Product
Maximum Effluent Concentration of: 1) Solution and 2) Active Ingredient	Solution: Active Ingredient:	Specify Units
Minimum Volume of Total (treated + untreated) Water Discharged from the Facility per day	nand Carbitantion	Specify Units
Maximum % of Facility Discharge Treated	% of	Total Discharge
Flow-	-Through Treatments	
Tank Volume	18,641	Liters
Calculated Flow Rate	1,702	Liters/Minute
Duration of Treatment	60	Minutes
Desired Flow-Through Treatment Concentration of Product	<25	μg/L
Amount of Product to Add Initially	0	Liters Product
Amount of Product to Add During Treatment	42	mL/Minute
Total Volume of Product Needed	2.5 L/day X 24 days = 16 gal	Liters Product
Maximum Effluent Concentration of: 1) Solution and 2) Active Ingredient	Solution: <25 mg/L formalin Active Ingredient: 9.3 mg/L formaldehyde	Specify Units
Minimum Volume of Total (treated + untreated) Water Discharged from the Facility per day	3,699,768 gallons per day	Specify Units
Maximum % of Facility Discharge Treated	0.00002% % of	Total Discharge

Aquaculture Drugs and Chemicals (cont'd)

Describe all drug and/or chemical treatments that occurred during the year. Fill out the information below for each drug or chemical, plus page 7 for water-borne treatments. Attach additional pages as necessary.

Method of application:	A			
Reason for use: Control Gill Disease and Columnaris Disease Preventative/Prophylactic Total quantity of formulated product per genternet (specify units): 5120 g Date(s) of treatment: 55/5/21 - 5/7/21 and 8/11/21, 8/13/21 Total number of treatments in past year: 5 x 2 ponds	Brand Name: Potassium I	Permanganate	Generic Name: Potassiur	n Permanganate
Preventative/Prophylactic As-needed	Reason for use: Control Gi	II Disease and Column		
Section Sect	☐ Preventative/Prophylactic	Total quantity of formulated product per treatment (specify	Total quantity of formulated p	roduct used in past year
treated water: 3,775,680 gal 1-2 ppm 2 ponds x 1 hr for 2 or 3 days Method of application: Static Bath Medicated Feed Other (describe):		11/21, 8/13/21		past year:
Generic Name: Hydrogen peroxide Production Provide any additional information about how this chemical was used and/or special pollution prevention practices during use: Provide any additional information about how this chemical was used and/or special pollution prevention practices during use: Provide any additional information about how this chemical was used and/or special pollution prevention practices during use: Provide any additional information about how this chemical was used and/or special pollution prevention practices during use: Provide any additional information about how this chemical was used and/or special pollution prevention practices during use: Provide any additional information about how this chemical was used and/or special pollution prevention practices during use: Provide any additional information about how this chemical was used and/or special pollution prevention practices during use: Provide any additional information about how this chemical was used and/or special pollution prevention practices during use: Provide any additional information about how this chemical was used and/or special pollution prevention practices during use:		(specify units):		. ,
was used (check all that apply):	Method of application:			
this chemical go? (check all that apply): Settling basin Discharged w/o deather Dublicly owned treatment works Duration and frequency of treatments in past year: 3 Adays every other day x 1 hr x 6 RWs Medicated Feed Dother (describe): Dother (desc	was used		Committee on the contraction	☐ Other (describe):
Brand Name: 35% Perox-Aid Reason for use: Control Columnaris Disease Preventative/Prophylactic Total quantity of formulated product used in past year (specify units): 5 gallions Date(s) of treatment: 8/24/21-8/28/21	this chemical go?		☐ Publicly owned treatment	☐ Other (describe):
Reason for use: Control Columnaris Disease Preventative/Prophylactic As-needed Total quantity of formulated product used in past year (specify units): 5 galloms Date(s) of treatment: 1.67 gallons Total quantity of formulated product used in past year (specify units): 5 galloms Total number of treatments in past year: 3 Maximum daily volume of treatment concentration (specify units): 75 ppm Maximum daily volume of treatment concentration (specify units): 3 days every other day x 1 hr x 6 RWs Method of application: Static Bath Flow-through Other (describe): Location in facility chemical was used (check all that apply): Mere did water treated with this chemical go? (check all that apply): Settling basin Provide any additional information about how this chemical was used and/or special pollution prevention practices during use:	Provide any additional informati	on about how this chemical was I	sed and/or special pollution pre	vention practices during use:
Preventative/Prophylactic	,			
As-needed 1.67 gallons (specify units): 5 gallons Date(s) of treatment: 1.67 gallons B/24/21-8/28/21 Maximum daily volume of treatment concentration (specify units): 3 days every other day x 1 hr x 6 RWs Method of application: Static Bath Flow-through Location in facility chemical was used (check all that apply): Where did water treated with this chemical go? (check all that apply):			Generic Name: Hydrogen	peroxide
Maximum daily volume of treatment concentration (specify units): 239,591 liters Treatment concentration (specify units): 75 ppm Medicated Feed Flow-through Location in facility chemical was used (check all that apply): Where did water treated with this chemical go? (check all that apply): Discharged w/o treatment works Duration and frequency of treatment(s): 3 days every other day x 1 hr x 6 RWs Medicated Feed Other (describe): Dother (describe): Off-line settling basin Other (describe): Septic System Other (describe): Provide any additional information about how this chemical was used and/or special pollution prevention practices during use:	Brand Name: 35% Perox-	Aid	Generic Name: Hydrogen	peroxide
Static Bath Other (describe): Discharged w/o treatment this chemical go? (check all that apply): Settling basin Set	Brand Name: 35% Perox-	Aid Slumnaris Disease Total quantity of formulated product per treatment:	Total quantity of formulated p	
Static Bath Medicated Feed Other (describe):	Brand Name: 35% Perox- Reason for use: Control Co Preventative/Prophylactic	Aid Slumnaris Disease Total quantity of formulated product per treatment:	Total quantity of formulated p	roduct used in past year Total number of treatments in past year:
was used (check all that apply):	Brand Name: 35% Perox- Reason for use: Control Co Preventative/Prophylactic As-needed Date(s) of treatment:	Aid Slumnaris Disease Total quantity of formulated product per treatment: 1.67 gallons Treatment concentration (specify units):	Total quantity of formulated properties (specify units): 5 gallons Duration and frequency of treat	Total number of treatments in past year: 3 ment(s):
this chemical go? (check all that apply): Settling basin Provide any additional information about how this chemical was used and/or special pollution prevention practices during use:	Brand Name: 35% Perox- Reason for use: Control Co Preventative/Prophylactic As-needed Date(s) of treatment: 8/24/21-8/28/21 Maximum daily volume of treated water:	Aid Slumnaris Disease Total quantity of formulated product per treatment: 1.67 gallons Treatment concentration (specify units): 75 ppm	Total quantity of formulated properties (specify units): 5 galloms Duration and frequency of treat 3 days every other of the desired of the desired feed	Total number of treatments in past year: 3 ment(s):
	Brand Name: 35% Perox- Reason for use: Control Co Preventative/Prophylactic As-needed Date(s) of treatment: 8/24/21-8/28/21 Maximum daily volume of treated water: 239,591 liters	Aid Slumnaris Disease Total quantity of formulated product per treatment: 1.67 gallons Treatment concentration (specify units): 75 ppm Static Bath Flow-through Raceways	Total quantity of formulated processing (specify units): 5 galloms Duration and frequency of treat 3 days every other of Medicated Feed Other (describe):	Total number of treatments in past year: 3 ment(s): lay x 1 hr x 6 RWs
6	Brand Name: 35% Perox- Reason for use: Control Co Preventative/Prophylactic As-needed Date(s) of treatment: 8/24/21-8/28/21 Maximum daily volume of treated water: 239,591 liters Method of application: Location in facility chemical was used	Aid Plumnaris Disease Total quantity of formulated product per treatment: 1.67 gallons Treatment concentration (specify units): 75 ppm Static Bath Flow-through Raceways Incubation building Discharged w/o treatment	Total quantity of formulated processing process. Total quantity of formulated process. Total quantity of for	Total number of treatments in past year: 3 ment(s): lay x 1 hr x 6 RWs

Aquaculture Drugs and Chemicals (cont'd) Additional Reporting Requirements for Water-Borne Treatments

- If a water-borne treatment was used during the calendar year, Permittees must include detailed records/calculations as an attachment to this Annual Report in order to demonstrate how the maximum effluent concentrations of solution and active ingredient were calculated for each chemical.
- EPA recognizes that water-borne treatments may vary in the volume of the vessels treated, concentration, quantity of product, etc. Permittees must provide the information listed in the following tables for a reasonable worst case (i.e., maximum effluent concentration) scenario, not for each individual treatment.
- Permittees must submit this information and calculate the maximum effluent concentration for each water-borne chemical used during the past calendar year.
- See also Annendix D for the Chemical L

 See also Appendix D for the Chemi 	cal Log Sheet.	
Sta	tic Bath Treatments	
Tank Volume		Liters
Desired Static Bath Treatment Concentration		μg/L
Volume of Product Needed		Liters Product
Maximum Effluent Concentration of: 1) Solution and 2) Active Ingredient	Solution: Active Ingredient:	Specify Units
Minimum Volume of Total (treated + untreated) Water Discharged from the Facility per day		Specify Units
Maximum % of Facility Discharge Treated		% of Total Discharge
Flow	-Through Treatments	
Tank Volume	806,750 liters	Liters
Calculated Flow Rate	9,562	Liters/Minute
Duration of Treatment	60	Minutes

Flow-Through Treatments		
Tank Volume	806,750 liters	Liters
Calculated Flow Rate	9,562	Liters/Minute
Duration of Treatment	60	Minutes
Desired Flow-Through Treatment Concentration of Product	2000	μg/L
Amount of Product to Add Initially	0	Liters Product
Amount of Product to Add During Treatment	17.1	mL/Minute
Total Volume of Product Needed	1,023 g, 1.023 L	Liters Product
	Solution: 2 mg/L potassium permanga	anate
1) Solution and 2) Active Ingredient	Active Ingredient: 2 mg/L	Specify Units
Minimum Volume of Total (treated + untreated) Water Discharged from the Facility per day	4,358,487	Specify Units
Maximum % of Facility Discharge Treated	3.5%	of Total Discharge

Aquaculture Drugs and Chemicals (cont'd) Additional Reporting Requirements for Water-Borne Treatments

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- Permittees must submit this information and calculate the maximum effluent concentration for each water-borne chemical used during the past calendar year.
- See also Appendix D for the Chemical Log Sheet.

Static Bath Treatments		
Tank Volume		Liters
Desired Static Bath Treatment Concentration		μg/L
Volume of Product Needed		Liters Product
Maximum Effluent Concentration of:	Solution:	
1) Solution and 2) Active Ingredient	Active Ingredient:	Specify Units
Minimum Volume of Total (treated + untreated) Water Discharged from the Facility per day		Specify Units
Maximum % of Facility Discharge Treated		
		% of Total Discharge
Flow	-Through Treatments	
Tank Volume	16,990	Liters
	92 92 70 AR	

Flow-Through Treatments		
Tank Volume	16,990	Liters
Calculated Flow Rate	3,933	Liters/Minute
Duration of Treatment	60	Minutes
Desired Flow-Through Treatment Concentration of Product	75,000	μg/L
Amount of Product to Add Initially	0	Liters Product
Amount of Product to Add During Treatment	315	mL/Minute
Total Volume of Product Needed	18.9	Liters Product
Maximum Effluent Concentration of: 1) Solution and 2) Active Ingredient	Solution: 75 ppm hydrogen peroxide Active Ingredient: 75 ppm	Specify Units
Minimum Volume of Total (treated + untreated) Water Discharged from the Facility per day	4,358,487 gallons per day	Specify Units
Maximum % of Facility Discharge Treated	4.4%	% of Total Discharge

Changes to the Facility or Operations

	ny changes to the facility or operations since the last annual report.
None	 If a red en ourne broadment was little character whereas year Permit ees must detailed medanic balculations at the character to the Physics Permit of a character.
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(8)	ware calcollabed for decir of gentled.
odrine?	SPA ruongerzer Unab erstamboren progresionen er en
	property and the party of
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444	Delican State Paris de Antonio per la compensation
na Propins	

Signature and Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly evaluate and gather the information submitted. Based on my inquiry of the person or persons, who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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Printed name of person signing	Title
Michael J. Crewson	Salmonid Enhancement Scientist
Applicant Signature Mislarl A Cresh	Date Signed 1/20/22

Submittal Information

Send the complete, signed information, along with any attachments, to the following address:

U.S. EPA Region 10, OWW-191 Washington Hatchery Annual Report 1200 Sixth Avenue, Suite 900 Seattle, WA 98101-3140